

1 1. In a network that includes an expert proxy server computer system that is
2 coupled to a plurality of wireless devices through a wireless network, wherein the expert
3 proxy server is coupled through a network to a plurality of server computer systems, the
4 expert proxy server either directly or in conjunction with the plurality of server computer
5 systems offering a plurality of applications that provide a service, a method of the expert
6 proxy server acting as an agent for a wireless device so as to preserve the limited
7 bandwidth of the wireless network and so as to preserve the limited memory and
8 processing capacity of the wireless device, the method comprising the following:

9 a specific act of the expert proxy server computer system determining that a
10 service is to be provided to a wireless device;

11 a specific act of the expert proxy server computer system identifying an
12 application that provides the service;

13 a specific act of the expert proxy server computer system communicating
14 with the identified application that provides the service;

15 a specific act of the expert proxy server computer system compiling the
16 results of the communication with the application; and

17 a specific act of the expert proxy server computer system transmitting the
18 compilation to the wireless device over the wireless network.

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20 2. A method in accordance with Claim 1, wherein the specific act of the expert
21 proxy server determining that a service is to be provided to a wireless device comprises the
22 following:

23 a specific act of the expert proxy server receiving a request from the
24 wireless device to provide the service.

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2 3. A method in accordance with Claim 1, wherein the specific act of the expert
3 proxy server computer system communicating with the identified application that provides
4 the service comprises the following:
5 a specific act of the expert proxy server communicating with one of the
6 plurality of server computer systems over the external network that hosts the
7 identified application.
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9 4. A method in accordance with Claim 1, wherein the specific act of the expert
10 proxy server computer system communicating with the identified application that provides
11 the service comprises the following:
12 a specific act of the expert proxy server submitting a plurality of separate
13 communications to the application; and
14 a specific act of the expert proxy server receiving a response to at least
15 some of the plurality of communications.
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17 5. A method in accordance with Claim 1, wherein the service includes an
18 instant messaging service.
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20 6. A method in accordance with Claim 1, wherein the service includes a
21 storage service.
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23 7. A method in accordance with Claim 1, wherein the service includes a
24 customized page service.

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2 8. A method in accordance with Claim 1, wherein the service includes a
3 reservations service.
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5 9. A method in accordance with Claim 1, wherein the service includes a
6 bidding service.
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1 10. A computer program product for use in an expert proxy server computer
2 system that is coupled to a plurality of wireless devices through a wireless network,
3 wherein the expert proxy server is coupled through a network to a plurality of server
4 computer systems, the expert proxy server either directly or in conjunction with the
5 plurality of server computer systems offering a plurality of applications that provide a
6 service, the computer program product for implementing a method of the expert proxy
7 server acting as an agent for a wireless device so as to preserve the limited memory and
8 processing capacity of the wireless device, the computer program product having a
9 computer-readable medium having stored thereon computer-executable instructions for
10 performing the following:

11 a specific act of determining that a service is to be provided to a wireless
12 device;

13 a specific act of identifying an application that provides the service;

14 a specific act of causing the expert proxy server computer system to
15 communicate with the application that provides the service;

16 a specific act of compiling the results of the communication with the
17 application; and

18 a specific act of causing the expert proxy server computer system to
19 transmit the compilation to the wireless device over the wireless network.

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21 11. A computer program product in accordance with Claim 10, wherein the
22 computer-executable instructions for performing the specific act of determining that a
23 service is to be provided to a wireless device comprises computer-executable instructions
24 for performing the following:



a specific act of receiving a request from the wireless device to provide the service.

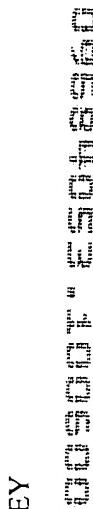
12. A computer program product in accordance with Claim 10, wherein the computer-executable instructions for performing the specific act of causing the expert proxy server computer system to communicate with the application that provides the requested service comprises computer-executable instructions for performing the following:

a specific act of the expert proxy server communicating with one of the plurality of server computer systems over the external network that hosts the identified application.

13. A computer program product in accordance with Claim 10, wherein the computer-executable instructions for performing the specific act of causing the expert proxy server computer system to communicate with the application that provides the requested service comprises computer-executable instructions for performing the following:

a specific act of causing the expert proxy server to submit a plurality of separate communications to the application; and

a specific act of receiving a response to at least some of the plurality of communications.



1 14. In a network that includes an expert proxy server computer system that is
2 coupled to a plurality of wireless devices through a wireless network, wherein the expert
3 proxy server provides is coupled through a network to a plurality of server computer
4 systems, the expert proxy server either directly or in conjunction with the plurality of
5 server computer systems offering a plurality of applications that provide a service, a
6 method of the expert proxy server acting as an agent for a wireless device so as to preserve
7 the limited memory and processing capacity of the wireless device, the method comprising
8 the following:

9 a specific act of the expert proxy server computer system determining that a
10 service is to be provided to a wireless device;

11 a step for compiling a response using an application that provides the
12 service; and

13 a specific act of the expert proxy server computer system transmitting the
14 compilation to the wireless device over the wireless network.

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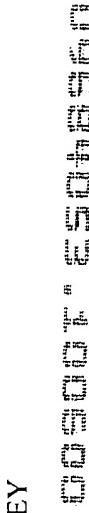
16 15. A method in accordance with Claim 14, wherein the step for compiling a
17 response using an application that provides the service comprises the following:

18 a specific act of the expert proxy server computer system identifying an
19 application that provides the service;

20 a specific act of the expert proxy server computer system communicating
21 with the identified application that provides the service; and

22 a specific act of the expert proxy server computer system compiling the
23 results of the communication with the application.

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1 16. A method in accordance with Claim 15, wherein the specific act of the
2 expert proxy server determining that a service is to be provided to a wireless device
3 comprises the following:
4 a specific act of the expert proxy server receiving a request from the
5 wireless device to provide the service.
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7 17. A method in accordance with Claim 15, wherein the specific act of the
8 expert proxy server computer system communicating with the identified application that
9 provides the service comprises the following:
10 a specific act of the expert proxy server communicating with one of the
11 plurality of server computer systems over the external network that hosts the
12 identified application.
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14 18. A method in accordance with Claim 15, wherein the specific act of the
15 expert proxy server computer system communicating with the identified application that
16 provides the service comprises the following:
17 a specific act of the expert proxy server submitting a plurality of separate
18 communications to the application; and
19 a specific act of the expert proxy server receiving a response to at least
20 some of the plurality of communications.
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22 19. A method in accordance with Claim 15, wherein the service includes an
23 instant messaging service.
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1 20. A method in accordance with Claim 15, wherein the service includes a
2 storage service.

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4 21. A method in accordance with Claim 15, wherein the service includes a
5 customized page service.

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7 22. A method in accordance with Claim 15, wherein the service includes a
8 reservations service.

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10 23. A method in accordance with Claim 15, wherein the service includes a
11 bidding service.

1 24. A computer program product for use in an expert proxy server computer
2 system that is coupled to a plurality of wireless devices through a wireless network, ,
3 wherein the expert proxy server provides is coupled through a network to a plurality of
4 server computer systems, the expert proxy server either directly or in conjunction with the
5 plurality of server computer systems offering a plurality of applications that provide a
6 service, the computer program product for implementing a method of the expert proxy
7 server acting as an agent for a wireless device so as to preserve the limited bandwidth of
8 the wireless network and so as to preserve the limited memory and processing capacity of
9 the wireless device, computer program product having a computer-readable medium
10 having stored thereon computer-executable instructions for performing the following:

11 a specific act of determining that a service is to be provided to a wireless
12 device;

13 a step for compiling a response using an application that provides the
14 service; and

15 a specific act of causing the expert proxy server computer system to
16 transmit the compilation to the wireless device over the wireless network.

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